

In the Claims:

1. (Currently Amended) A capsule medical device inserted into a body cavity, comprising:

a sensor;

a transmitting device for transmitting sensing data acquired by the sensor to an external device outside the body cavity;

a receiving device for receiving data from outside the capsule medical device, the received data is generated by external signal processing of the sensing data; and

a storage device wherein storage data stored therein can be rewritten on the basis of the data received by the receiving device.

2. (Original) The capsule medical device according to claim 1, wherein the storage device is a storage device in which the storage data is not erased, even when the power supply is switched off.

3. (Currently Amended) The capsule medical device according to claim 1, ~~wherein the capsule medical device has a sensor; and~~

~~the sensor operates on the basis of information stored in the storage device.~~

4. (Currently Amended) The capsule medical device according to claim 1, ~~wherein the capsule medical device has~~ further comprising:

~~an image acquiring device; and~~

wherein the image acquiring device has the sensor which is an image sensor and operates on the basis of information stored in the storage device.

5. (Original) The capsule medical device according to claim 4, wherein the image acquiring device has an illumination device; and
the illumination device operates on the basis of information stored in the storage device.

6. (Original) The capsule medical device according to claim 4, wherein the image acquiring device has an image sensor; and
the image sensor operates on the basis of information stored in the storage device.

7. (Original) The capsule medical device according to claim 4, wherein the image acquiring device has an image data compressing device; and
the image data compressing device operates on the basis of information stored in the storage device.

8. (Currently Amended) The capsule medical device according to claim 1,
~~wherein the capsule medical device has~~ further comprising:
a force acquiring device for detecting movement of the capsule, wherein; and
the force acquiring device includes the sensor, said sensor being a force sensor
which operates on the basis of information stored in the storage device.

9. (Original) The capsule medical device according to claim 1, wherein the capsule medical device has a medicine discharging device; and

the medicine discharging device operates on the basis of information stored in the storage device.

10. (Original) The capsule medical device according to claim 1, wherein the capsule medical device has a specimen recovery device; and

the specimen recovery device operates on the basis of information stored in the storage device.

11. (Currently Amended) A capsule medical device system comprising:
a capsule medical device inserted into a body cavity;
an external device for transmitting and receiving data, to and from the capsule medical device, by means of radio communications; ~~and~~
a storage device, provided in the capsule medical device, the storage contents of which are rewritten on the basis of ~~information~~ data parameters transmitted to the capsule medical device from the external device[[.]]; and
a correction amount calculating circuit for generating adjustments to the data parameters transmitted by the capsule medical device and received by the external device.

12. (Currently Amended) The capsule medical system according to claim 11, wherein the capsule medical device has a sensor; and
the sensor operates on the basis of ~~information~~ data parameters stored in the storage device.

13. (Currently Amended) The capsule medical system according to claim 11, wherein the capsule medical device has an image acquiring device; and
the image acquiring device operates on the basis of ~~information~~ data parameters stored in the storage device.

14. (Currently Amended) The capsule medical system according to claim 13, wherein the image acquiring device has an illumination device; and
the illumination device operates on the basis of ~~information~~ data parameters stored in the storage device.

15. (Currently Amended) The capsule medical system according to claim 13, wherein the image acquiring device has an image sensor; and
the image sensor operates on the basis of ~~information~~ data parameters stored in the storage device.

16. (Currently Amended) The capsule medical system according to claim 13, wherein the image acquiring device has an image data compressing device; and
the image data compressing device operates on the basis of ~~information~~ data parameters stored in the storage device.

17. (Currently Amended) The capsule medical system according to claim 11, wherein the capsule medical device has a force acquiring device; and
the force acquiring device operates on the basis of ~~information~~ data parameters stored in the storage device.

18. (Currently Amended) The capsule medical system according to claim 11, wherein the capsule medical device has a medicine discharging device; and the medicine discharging device operates on the basis of ~~information~~ data parameters stored in the storage device.

19. (Currently Amended) The capsule medical system according to claim 11, wherein the capsule medical device has a specimen recovery device; and the specimen recovery device operates on the basis of ~~information~~ data parameters stored in the storage device.

20. (Cancelled)

21. (Currently Amended) A data storing method for a capsule medical device comprising the steps of:
transmitting data to a capsule medical device; ~~and~~
storing the data in a storage device provided in the capsule medical device; and
operating the capsule medical device on the basis of the data stored in the storage device.

22. (Currently Amended) The data storing method for a capsule medical device according to claim 21, comprising the steps of:
confirming the operation of the capsule medical device;
creating corrected data on the basis of the results of operation;

transmitting the data to the capsule medical device; ~~and~~
storing the data in a storage device provided in the capsule medical device; and
operating the capsule medical device on the basis of the data stored in the storage
device.

23. (Currently Amended) A data storing method for a capsule medical device system comprising a capsule medical device and an external device for transmitting and receiving data, to and from the capsule medical device by means of radio communications, the method comprising the steps of:

transmitting data to the capsule medical device from the external device;
receiving the data in the capsule medical device; ~~and~~
storing the data in a storage device provided in the capsule medical device; and
operating the capsule medical device on the basis of the data stored in the storage
device.

24. (Currently Amended) An operation modifying method for a capsule medical system comprising a capsule medical device and an external device for transmitting and receiving data, to and from the capsule medical device by means of radio communications, the method comprising the steps of:

transmitting data from the capsule medical device;
receiving the data in the external device;
determining modified data on the basis of this data;
transmitting the modified data from the external device; ~~and~~

storing the modified data in a storage device provided in the capsule medical device; and

operating the capsule medical device on the basis of the data stored in the storage device.

25. (New) The capsule medical system according to claim 17, wherein image detection parameters are modified based upon said detected movement of said capsule.

26. (New) The capsule medical system according to claim 11, wherein said external device transmits a command for switching an imaging mode based on a position of said capsule medical device in the body cavity.

27. (New) The capsule medical system according to claim 11, wherein correction amount calculating circuit adjusts color image values and illumination values.

28. (New) The capsule medical system according to claim 11, wherein correction amount calculating circuit adjusts position data for an image sensor.